

6.0 PLAN IMPLEMENTATION

6.1 GENERAL

This Chapter presents information on the Federal and non-Federal requirements for implementing the recommended plan. It presents the required cost sharing and other requirements for the construction of the project including adaptive management and monitoring and operation, maintenance, repair, rehabilitation, and replacements over the life of the project. It also presents the schedule for implementation including activities to complete the feasibility, design, and construction phases. Finally, it presents the Sponsor's support for the project and financial capability to meet their required contributions.

6.1.1 DIVISION OF PLAN RESPONSIBILITIES

The apportionment of the first cost between Federal and non-Federal interests is based on applying the requirements of current Federal laws and policies, as defined in Section 210 of the Water Resources Development Act of 1996 for Ecosystem Restoration projects.

6.1.1.1 Federal Responsibilities

The Federal Government would provide 65% of the First Cost of implementing the Recommended Plan including pre-construction Design and Implementation Phase, construction and construction management, monitoring, and adaptive management. The total Federal share of these costs is estimated to total \$3.64 million. In addition to its financial responsibility, the Federal Government would:

Design and prepare plans and specifications for construction of the Recommended Plan; and Administer and manage contracts for construction and supervision of the project after authorization, funding, and execution of a PCA with the City of Saint Helena.

The Federal participation in monitoring would be limited to a five-year period after construction, and adaptive management should be accomplished within that period. At this time the specifics of the monitoring and adaptive management plan have not been defined, therefore a limit of two percent (2%) and three percent (3%) for each item, respectively, is included based on current policy on maximum Federal interest.

6.1.1.2 Non-Federal Responsibilities

The City of Saint Helena would be responsible for providing 35% of the First Cost of implementing the Recommended Plan or separable element. These costs include pre-construction engineering and design, and construction of the ecosystem restoration features including monitoring and adaptive management. The non-Federal sponsors shall also provide 100 percent of the costs for lands, easements, rights-of-way, utility or public facility relocations, and dredged or excavated material disposal areas (LERRDs) that are required for

implementation or operation and maintenance of the project. The value of LERRDs shall be included in the non-Federal 35 percent share. If the Government determines that the LERRDs costs exceed the non-Federal sponsors 35 percent share, the sponsor would be reimbursed for the value of LERRDs which exceeds their 35 percent share. The estimated cost to the non-Federal sponsor is \$2,146,678, including \$16,000 in LERRDS credit. No portion of this project would be considered a betterment.

6.1.1.3 Federal and Non-Federal Costs

Table 6.1 presents the breakdown of Federal and non-Federal project costs associated with the Recommended Plan.

Table 6.1. Recommended Plan Cost Apportionment

Cost Items	Federal Cost	Non-Federal Cost	Total Cost
LERRDs			
Land Acquisition	0	\$167,000	\$167,000
Structures Acquisition	0	\$0	\$0
Relocations & Replacements	0	\$0	\$0
Federal Administration costs	\$93,500	\$0	\$93,500
Subtotal LERRDs	\$93,500	\$167,000	\$260,500
Plans and Implementation Phase			
Geotech	\$80,000	\$0	\$80,000
Water Resources	\$100,000	\$0	\$100,000
Environmental Compliance	\$50,000	\$0	\$50,000
Other	\$20,000	\$0	\$20,000
P&I Phase Subtotal	\$250,000	\$0	\$250,000
Construction Phase			
Construction	\$4,884,599	\$0	\$4,884,599
PED	\$250,000	\$0	\$250,000
Engineering During Construction	\$150,000	\$0	\$150,000
S&A	\$350,000	\$0	\$350,000
Total Project Construction Cost	\$5,728,099	\$0	\$5,728,099
Cultural Resources	\$30,000	\$0	\$30,000
Monitoring	\$208,266	\$0	\$208,266
Subtotal First Cost	\$5,966,365	167,000	\$6,133,365
Adjustment for 65/35 Cost Share	-1,979,678	\$1,979,678	
TOTAL FIRST COST	\$3,986,687	\$2,146,678	\$6,133,365
PERCENT OF FIRST COST	65%	35%	100%

TOTAL CASH CONTRIBUTION	\$3,986,687	\$1,979,678	\$5,966,365
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6.1.1.4 Fully Funded Costs

The fully funded estimate for the Recommended Plan includes price escalation using Office of Management and Budget inflation factors. Project funding requirements by fiscal year are summarized in Table 6.2, as fully funded estimates.

Table 6.2. Funding by Fiscal Year (\$000)

Cost Items	Federal Cost	Non-Federal Cost	FY07	FY08	FY09	FY10-12	TOTAL
LERRDs							
Land Acquisition	\$0	\$167,000	\$167,000	\$0	\$0	\$0	\$167,000
Structures Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Relocations & Replacements	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Federal Administration costs	\$93,500	\$0	\$33,000	\$40,000	\$20,500	\$0	\$93,500
Subtotal LERRDs	\$93,500	\$167,000	\$200,000	\$40,000	\$20,500	\$0	\$260,500
Construction Cost-Sharing Features							
Construction	\$4,884,599	\$0	\$900,000	\$3,484,599	\$500,000	\$0	\$4,884,599
Design and Implementation Phase	\$250,000	\$0	\$250,000	\$0	\$0	\$0	\$250,000
Engineering During Construction	\$150,000	\$0	\$50,000	\$100,000	\$0	\$0	\$150,000
S&A	\$350,000	\$0	\$175,000	\$150,000	\$25,000	\$0	\$350,000
Total Project Construction Cost	\$5,728,099	\$167,000	\$1,575,000	\$3,774,599	\$545,500	\$0	\$5,895,099
Cultural Resources	\$30,000	\$0	\$30,000	\$0	\$0	\$0	\$30,000
Monitoring	\$208,266	\$0	\$50,000	\$58,266	\$50,000	\$50,000	\$208,266
Subtotal First Cost	\$5,966,365	\$167,000	\$1,655,000	\$3,832,865	\$595,500	\$50,000	\$6,133,365
Adjustment for 65/35 Cost Share	(\$1,979,678)	\$1,979,678					
TOTAL FIRST COST	\$3,986,687	\$2,146,678	\$1,655,000	\$3,832,865	\$595,500	\$50,000	\$6,133,365
PERCENT OF FIRST COST	65%	35%	27%	63%	9%	1%	100%
TOTAL CASH CONTRIBUTION	\$3,986,687	\$1,979,678	\$1,488,000	\$3,832,865	\$595,500	\$50,000	\$5,966,365

TOTAL	\$3,986,687	\$2,146,678					\$6,133,365
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6.1.1.5 Cultural Resources, Monitoring, and Adaptive Management Costs

The Federal participation in monitoring would be limited to a five-year period after construction, and adaptive management should be accomplished within that period. At this time the specifics of the monitoring and adaptive management plan have not been defined, therefore a limit of two percent (2%) and three percent (3%) for each item, respectively, is included based on current policy on maximum Federal interest.

6.1.1.6 Operation, Maintenance, Repair, Rehabilitation, & Replacement (OMRR&R) Costs

The non-Federal sponsor is responsible for providing all requirements and 100 percent of the costs associated with operating and maintaining the project including any repairs, replacements, or rehabilitation of project features that are needed to continue obtaining project benefits. Table 6.3 presents a summary of the OMRR&R costs associated with the Recommended Plan on an average annual basis.

Table 6.3. OMRR&R Costs

Item	Avg. Annual Cost (\$)
Channel O&M cost	\$17,744.52
Mitigation Measures	\$3,001
Sediment Removal	Unknown
Total Average Annual OMRR&R Costs	\$20,745.16

6.2 REPORT COMPLETION, SCHEDULE, AND REPORT APPROVAL

Table 6.4 presents the steps and milestones required to complete the feasibility report, obtain project approvals, authorization of construction, final design and construction. The schedule for project implementation assumes approval by USACE South Pacific Division no later than December 31, 2006. After project approval, the project would be eligible for construction funding. Once Congress appropriates Federal construction funds, the Corps and the non-Federal sponsor would enter into a project cooperation agreement (PCA). This PCA would define the Federal and non-Federal responsibilities for implementing, operating, and maintaining the project. Project construction would begin following the certification of the real estate requirements. After construction, the final acceptance and transfer of the project to the non-Federal sponsor would follow the delivery of an O&M manual and as-built drawings.

Table 6.4. Milestone Schedule

Milestones	Schedule
Complete Draft Report	August 2006
Public Review	September 2006
Final Report	October 2006
Division Engineer Notice	October 2006
Execute Cost-Sharing Agreement PCA	November 2006
Complete Design and Implementation Phase	March 2007
Complete Real Estate Acquisition	Dec 2006
Advertise Construction	May 2007
Construction Start	June 2007
Complete Construction	October 2008
Turnover Project to Local Sponsor	October 2008
Initiate Monitoring and Adaptive Management	March 2007
Complete Monitoring and Adaptive Management	August 2010

6.2.1 Construction Schedule

The schedule for project implementation assumes project approval in FY06. After project approval, the project would be eligible for construction funding in FY '07. The project would be considered for inclusion in the Congressional conference budget based on national priorities, magnitude of the Federal commitment, economic and environmental feasibility, level of local support, willingness of the non-Federal sponsor to fund its share of the project cost and budgetary constraints that may exist at the time of funding. Once USACE-South Pacific Division authorizes the project, the Corps and the non-Federal sponsor would enter into a PCA. This PCA would define the Federal and local responsibilities for implementing, operating, and maintaining the project, and is scheduled for execution in FY 2007. The construction schedule is summarized below in Table 6.5.

Table 6.5. Design and Implementation Phase and Construction Schedule

Project Phase	Start Date	Finish Date
Design and Implementation Phase and Initial Contracting of Construction	Fall 2006	March 2007
Year #1 Construction	June 2007	September 2007
Year #2 Construction:	April 2008	September 2008
Monitoring and Adaptive Management; Stability and Sediment Transport Monitoring	March 2007	August 2010
O&M Maintenance of channel design	August 2010	August 2012
O&M Non-Federal sponsor O&M	August 2012	No end date

6.3 SPONSOR SUPPORT

The City of Saint Helena has expressed the desire for implementing the project and sponsoring project construction in accordance with the items of local cooperation that are set forth in the recommendations chapter of this report.

6.4 FINANCIAL ANALYSIS

The non-Federal share for implementing and maintaining the project is expected to be obtained from a number of sources including State grants and local bond measures. The financial analysis indicates that the non-Federal sponsor is financially capable of participating in the Recommended Plan.

6.4.1 FUNDING SOURCES

The City of Saint Helena operations and programs are funded through a variety of sources including local bond measures and California State grants. The non Federal sponsor's cash contribution for this project would be financed primarily through local water enterprise bonds (Measure A) and CALFED Ecosystem Restoration Program (319H) grants.